

4322 - FIRE EQUIPMENT MECHANIC

NATURE OF WORK

This is technical, mechanical work at the journeyman level in the overhauling, maintenance and repair of fire apparatus, equipment and other City Fire Departmental vehicles. Incumbents are on call seven days a week.

ILLUSTRATIVE EXAMPLES OF ESSENTIAL DUTIES

Conducts regular inspections of the motorized equipment of the Fire Department.

Diagnoses and performs repairs and maintenance tasks on engines, pumps, trucks, other fire fighting equipment and City vehicles assigned to the Fire Department.

Maintains records on all apparatus, fire fighting equipment and other automotive vehicles assigned to the Fire Department on manual logs and on computer.

Examines and repairs ignition systems, magnetos and other complicated electrical systems.

Replaces worn and broken parts, fits bearings, pistons and rings; re-seats and grinds valves.

Performs annual service test on pumpers and works with Underwriters laboratories on annual certification, inspection of aerial devices.

Maintains inspection and inventory records.

Maintains, repairs and replaces a variety of fire fighting equipment such as acetylene torches, fire extinguishers, ladders, life nets, etc.

Trains and coordinates work of fire fighters in the performance of regular maintenance and inspection of vehicles and fire fighting equipment.

Responds to major fires to fill breathing air tanks as needed.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES

Considerable knowledge of the methods, materials, tools and standard practices of the automotive mechanic trade.

Considerable knowledge of the occupational hazards and safety precautions of the trade.

Knowledge of the operating and repair characteristics of a wide variety of automotive and related equipment.

Knowledge of standard automotive electrical systems.

Knowledge of various types of pumping equipment.

Some knowledge of motorized fire fighting equipment.

Some knowledge of electricity and portable electric plant.

Some knowledge of miscellaneous fire fighting equipment such as acetylene torches, fire extinguishers, ladders, life nets, etc...

Ability to repair self contained breathing apparatus, portable and stationary water pumps, and electrical generators.

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MINIMUM REQUIREMENTS

Employed by the City **AND** three (3) years full-time paid experience in overhauling and repairing automotive equipment, including one (1) year in the maintenance and repair of fire apparatus or heavy duty equipment. Related trade or high school coursework may substitute for up to one (1) year of experience (1 month experience = 50 classroom hours). Obtain Class "A" Florida Commercial Driver's License valid for air brakes within 90 days of appointment.

PHYSICAL REQUIREMENTS

Must have the use of sensory skills in order to effectively communicate and interact with other employees and the public through the use of the telephone and personal contact. Physical capability to effectively use and operate various items of automotive and mechanical tools and equipment including, but not limited to, aerial devices, pumpers, compressors, generators, gasoline powered saws, hand tools, and electric, hydraulic and pneumatic power tools. Significant walking, climbing, pushing, lifting, kneeling, bending, twisting and crawling. Must have physical ability to lift objects weighing approximately 100 pounds and move oil drums and air tanks weighing approximately 400 pounds.

SUPERVISION RECEIVED

General and specific assignments are received and work is performed with considerable latitude for the use of independent judgment in the selection of work methods and procedures and is subject to review for compliance with departmental standards.

SUPERVISION EXERCISED

Usually none; may direct the work of semi-skilled assistants.

Rev. 5/95 (minimum req.)